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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Fouillet, et al.

) Group Art Unit 1655

Appl. No. : 09/627,647

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) States Patent and Trademark Office, P.O. Box
) 2327, Arlington, VA 22202, on

Filed : July 28, 2000

For : INTEGRATION OF
 BIOCHEMICAL PROTOCOLS
 IN A CONTINUOUS FLOW
 MICROFLUIDIC DEVICE

February 19, 2002

(Date)

Daniel Hart
 Daniel Hart, Reg. No. 40,637

Examiner : B. Sisson

SECOND SUPPLEMENTAL AMENDMENT

United States Patent and Trademark Office
 P.O. Box 2327
 Arlington, VA 22202

Dear Sir:

In response to the Communication dated January 2, 2002 asserting that the Amendments filed September 4, 2001 and October 10, 2001 were not responsive to the Office Action mailed May 4, 2001, kindly amend the application as follows:

IN THE CLAIMS:

1. (Amended) A device comprising:
- a microfluidic substrate comprising at least one pathway for sample flow; and
- said microfluidic substrate further comprising at least one temperature regulated zone which is capable of cycling between at least two temperatures, said at least one temperature regulated zone being adapted to bring at least a portion of said sample pathway to said at least two temperatures while a sample is continuously flowing along said at least a portion of said sample pathway.

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